

**AMENDMENTS TO THE SPECIFICATION**

**Please amend paragraph [0031] of the specification as follows:**

Figure 7 shows that a plurality of cavities are wetted by the same electrolyte 110. The metal surface of one cavity can then be polarized in the opposite direction to the metal surface of another cavity.

**Please amend paragraph [0032] of the specification as follows:**

Figure 8 shows that one of the open metal surfaces is covered on the front face by a thin silver/silver chloride layer 16. This layer 40<sub>1</sub> can be connected to a potentiostat, together with two further wetted metal surfaces, in a three-electrode arrangement as a working electrode (WE), a counterelectrode (CE) and a reference electrode (Ref).

**Please amend paragraph [0037] of the specification as follows:**

Figure 13 shows that, in the case of a sensor array with two electrodes per cavity 3<sub>i</sub> and 3<sub>i</sub>, one of the two electrodes is coated with silver/silver chloride (Ag/AgCl) 16. This coated electrode is connected as a reference electrode to a potentiostat, together with the second electrode in the cavity as the working electrode, and the covering counterelectrode, in a three-electrode arrangement.

**Please amend paragraph [0038] of the specification as follows:**

Figure 14 shows that an electrode which covers the measurement arrangement is coated with silver/silver chloride 16 on the electrolyte side. The sensor array has two electrodes per cavity. A three-electrode arrangement can thus be produced with these two electrodes as the working electrode WE and the counterelectrode CE, and with the covering electrode as the reference electrode.